

## David Coulter

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### Technical Skills

**Technologies:** Advanced CSS3, HTML 5, JavaScript, jQuery, PERL, PHP, XHTML

**Adobe:** Illustrator CS4, PDF, Photoshop CS4

**Apple:** Final Cut Pro, Keynote, Logic Express, Pages

**Content Management Systems:** Django(Front-end), Expression Engine, Wordpress

**Microsoft:** Word, Excel, Entourage, PowerPoint, FrontPage

**Browser compatibility:** Gecko, Internet Explorer, Webkit

**Operating Systems:** Windows 95 – Vista, Mac OS X Snow Leopard

**Standards:** 508 Compliance and W3C Standards

**Other:** Coda

### Experience

**Senior Front-End Web Developer, 720 Strategies (<http://720strategies.com>)**

*Washington, DC*

#### **February 2009–Present**

- Led development team, reporting directly to the Chief Technology Officer.
- Brought 720's client sites up to web standards compliance and full XHTML strict validation.
- Championed implementation of a rigorous QA process to increase client satisfaction, which led to 100% site QA approval rate.
- Advocated new multi-tiered deployment process, which increased deployment speeds, and eased deployment complications.
- Hosted a series of "tech talk" presentations to help 720's entire staff better understand modern web technology trends and standards.
- Concepted "720 Code Jams" leading to the launch of CommuteBot (beta), a simple traffic API aggregator & search tool.
- Encouraged developers' use of 720's tech education budget, which allowed them to attend industry conferences, take classes, and purchase books to enhance and further their careers.
- Implemented CSS and Javascript using progressive enhancement and enrichment techniques, ensuring graceful degradation for outdated browsers.
- Created a series of baseline front-end templates, tailored to 720's implementation needs and process.
- Responsible for the implementation and development of more than 40 front-end development cycles, including cross-browser compliance testing and debugging.
- Implemented and aided in site builds using Expression Engine.

**Web Programmer/Consultant, National Geographic- Digital Media**  
(<http://nationalgeographic.com>)

Washington, DC

**June 2006–November 2008**

- Responsible for countless CSS, XHTML, and JavaScript updates, revisions, templates and implementations to nationalgeographic.com.
- Coded National Geographic Channel sites, including XHTML, CSS, JavaScript, and Flash creation, implementation and bug fixes.
- Complete UI implementation relying heavily on web standards (including Alt tags, and scalable fonts) while keeping load times down.
- Performed monthly updates to National Geographic Kids' site, creating as many as 40 to 60 new pages with a focus on accuracy, speed, and performance.
- Created and updated sites for auxiliary National Geographic sites including pages for the All Roads Film Festival and <http://mywonderfulworld.org>.
- Participated in weekly code review meetings to improve our markup via group critique and brainstorming.
- Helped lead an effort to standardize deliveries and code from developers both internal and external.
- Assisted in the creation of a workflow utilizing Jira to replace paper work orders.
- Advocated consolidation, simplicity, and forward thinking in efforts to move legacy content into a Subversion environment.
- Participated in a seminar and provided feedback and recommendations to move toward using Django templating systems, rather than one-off HTML solutions.

**User Interface & Design Lead/Consultant, Anteon Corporation- FEMA ADD Project**

Chantilly, VA

**November 2005–June 2006**

- Responsible for documentation of User Interface standards for the entirety of FEMA's Automated Deployment Database Project.
- In charge of design implementation, from a client server application to a web based application, involving simplification of processes, layout, flow, usability and definition of all UI standards. This process reduced screen count from 30 screens to around 6 (depending on user rights).
- Complete UI Design relying heavily on government-mandated 508 compliant standards (including Alt tags, color schemes, and scalable fonts) while keeping the application attractive and pleasing to work with.
- Designed, templated, and implemented CSS, HTML, JavaScript, DHTML and limited AJAX functionality throughout the application.
- Assisted front-end java developers with html, graphics, CSS and JavaScript issues, embedded in JSPs using the Spring framework.
- Designed and implemented UI for a refined Administrators console, and a Self Serve Check-in Console, which allows Agents, with no computer training, to efficiently report for duty in the field, without assistance from FEMA HQ.
- Coordinated efforts to refine and simplify the application through meetings with Users and Administrators at FEMA Headquarters in Washington, DC.

**Interface & Design Consultant, System Automation Corporation**  
*Beltsville, MD*

**November 2004–October 2005**

- Assisted in the migration of a client server application to a web based application from a design perspective. This involved analyzing the layout, flow, and usability of the application, as well as defining all user interface standards resulting in the migration of over 800 screens to a web-based layout.
- Complete user Interface design and implementation of the flagship products implemented in 23 states and over 400 agencies.
- Involved in the entire software development lifecycle, from initial inception of UI design, assisted in requirements gathering and analysis, and prototyped UI flow.
- Assisted front-end java developers with html, graphics, CSS and JavaScript issues, embedded in JSPs using the struts framework.
- Responsible for the design, management and implementation of user acceptance testing with existing clients.
- Responsible for designing, templating and implementing the CSS, HTML, DHTML and JavaScript for the flagship product *MyLicense Office*.
- Responsible for resolving cross browser issues for the application for the following browsers Firefox, Safari, Internet Explorer and Opera.
- Responsible for coordinating all efforts between sales, senior management and third party printing firms to produce quality sales and promotional materials in a timely manner.

**Education**

**Hagerstown Business College**

*Hagerstown, MD*

**January 2003**

Associate of Applied Science in Design

**Conferences, Lectures, Reading**

**An Event Apart Chicago**, October 2009

**Presenting Data and Information: A One Day Course Taught by Edward Tufte**, April 2010

**TEDxPotomac**, May 2010

**Designing with Web Standards Third Edition**, Zeldman & Marcotte

**Handcrafted CSS**, Cederholm & Marcotte

**REWORK**, Fried & Hansson

*References available upon request.*